Missouri Botanical Garden

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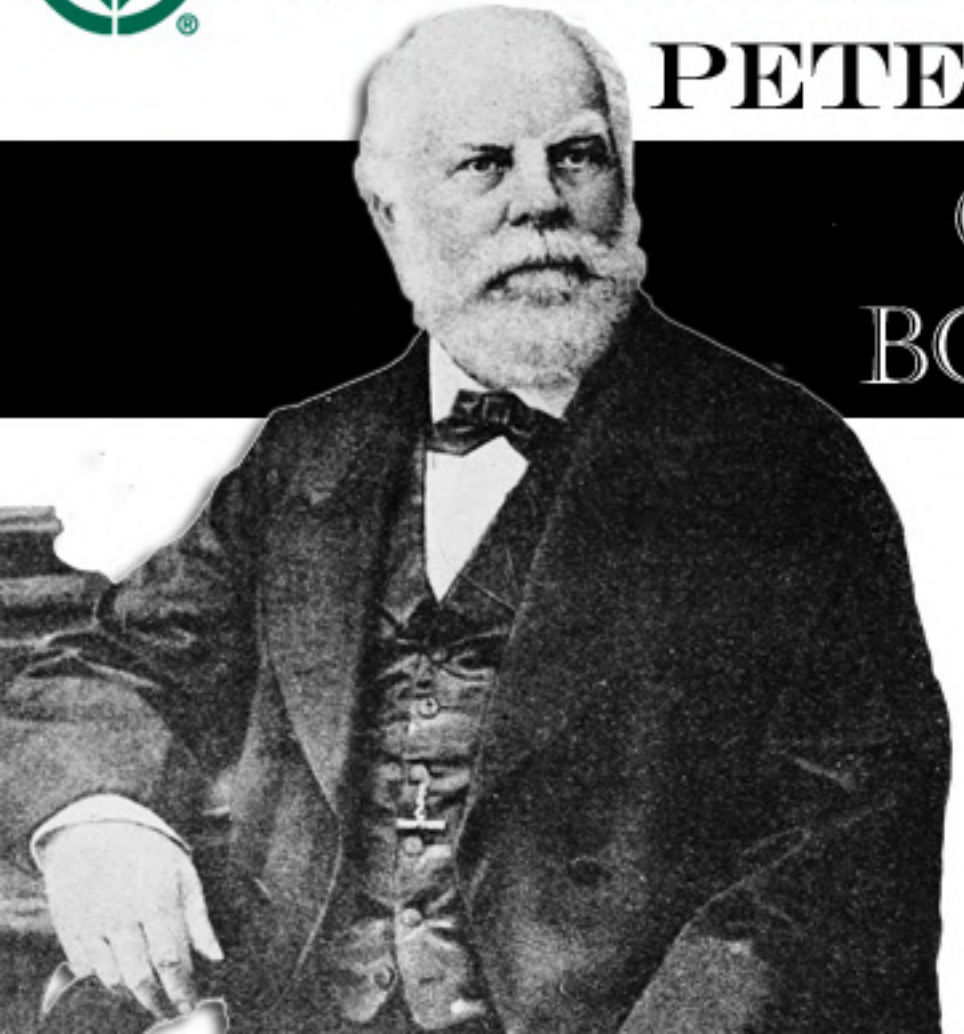

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Op. clavata
Zanardini 1847

Jan 26 1875

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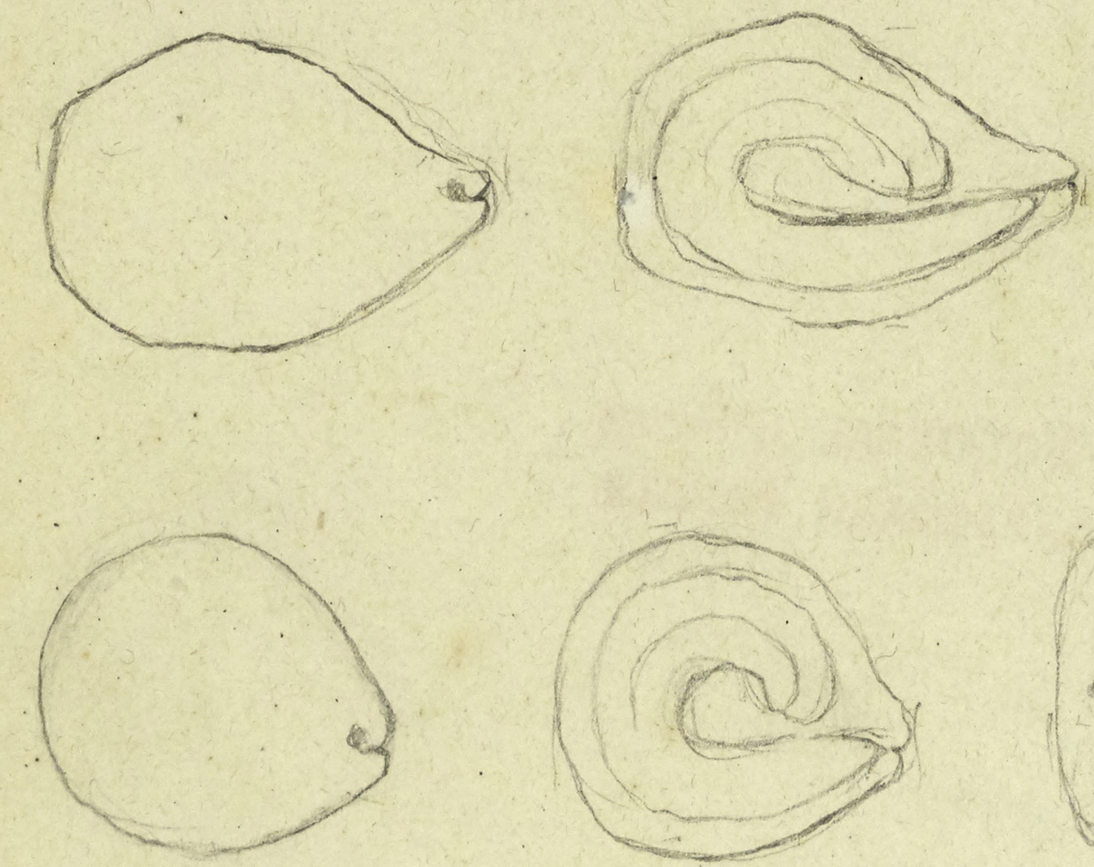

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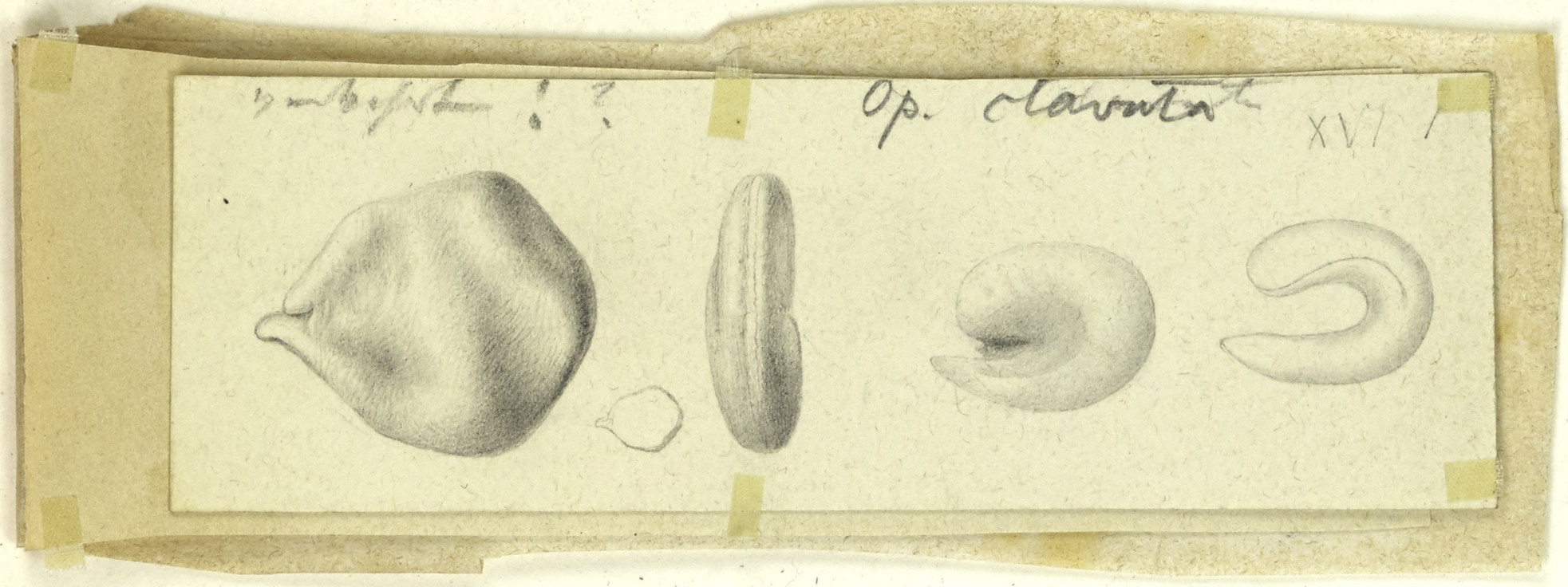

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SAINT LOUIS, MO.

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Feb 1868

Arizona — E. Palmer No 89

(private number 600)

Opuntia Lindheimeri

plant 10 inches high, night flowering or early morning! fl. yellow and red Camp Grant, May 15

Ovary elongated, linear-clavate 1½ – 1¾ inches long; beset with abt 30 white woolly areolae bearing numerous white spines; leaves on the upper ones 5 – 6 lines ~~Inches~~ long, below shorter;

flower apparently 1½ inches wide, outer sepals linear lanceolate, green, numerous ovate long cuspidate yellow with reddish outer sepals about 12 or 13; petals orbicular obovate, cuspidate or mucronate, yellow, apparently about 8 stamens almost immersed in the deep funnel; lowest part of tube naked – style thick, stigmas scarcely longer than stamens, 6 or 8 apparently, pale, reddish.

fruit (ripe?) linear clavate, 3 inches long 1 – 1¼ diameter, tuberculate, with large short distant areolae, beset with numerous yellow spines or bristles — flowers seem persistent! fully the deep purple seed 2½ – 3 lines diameter, somewhat irregular, with a narrow immersed commissure, sometimes almost obliterated.

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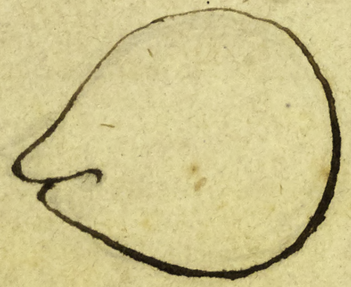
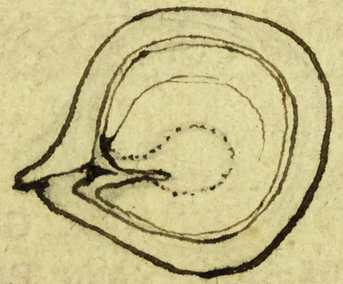
10. Opuntia clavata
Santa Fe.
Fendler
Tec XVI. 1





seed appendage two wide

Cells

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Sem Cact XXI

Opuntiae clavatae

March 1856

a b c d

1. Opuntia clavata
Sant. Fe
Fendler
Zeeth, 10

Seed 2.5 – 2.8 diagonally, 2.2 – 2.5 high, and rarely more than 0.7 – 0.9 C. – thickness ~~not~~ as ~~with~~ regular; ~~often~~ somewhat beaked at base; often somewhat porous; commissure without carina, rather a little impressed, ~~0.2~~ 0.3 broad.
Cotyledons in seed seen open by one oblique.

2. Op. Graham
El Paso
Parry

Seed 2.5 – 2.8 across, 2.2 – 2.5 high and 1.0 – 1.3 thick, regular and not so much beaked than the last; commissure almost obliterated forming an undistinct line.
Cotyledons regularly incumbent

3. Op. Schottii
Eaglepass
Schott.

Seed 2.3 broad, 1.8 high, 0.8 – 0.9 thick with regular, but long beaked, Commissure more distinct than in last, almost linear, hardly 0.1 in broad.
The only seed examined had Cotyledons oblique

4. Op. Emoryi
El Paso
Brazos

Seed very ~~irregular~~ – the largest 3.3 wide, 2.5 high – 1.3 thick but mostly 2.5 – 3.0 wide, or broad, 2.0 – 2.3 high 0.9 – 1.2 thick – some regular a little beaked, others quite irregular and long beaked
Commissure narrow and undistinct
Cotyledons in seed seen obliquely and even almost incumbent.

same

different forms of seed

5. Op. Parryi
Colorado
Brazos

Seed 2.2 broad, 1.8 high 0.8 – 0.9 Thick – Commissure distinct below 0.1 – 0.2 wide – Seeds regular, with a short or blunt or longer ~~beaking~~ beak – ~~Cotyledons~~ in one seed examined, oblique

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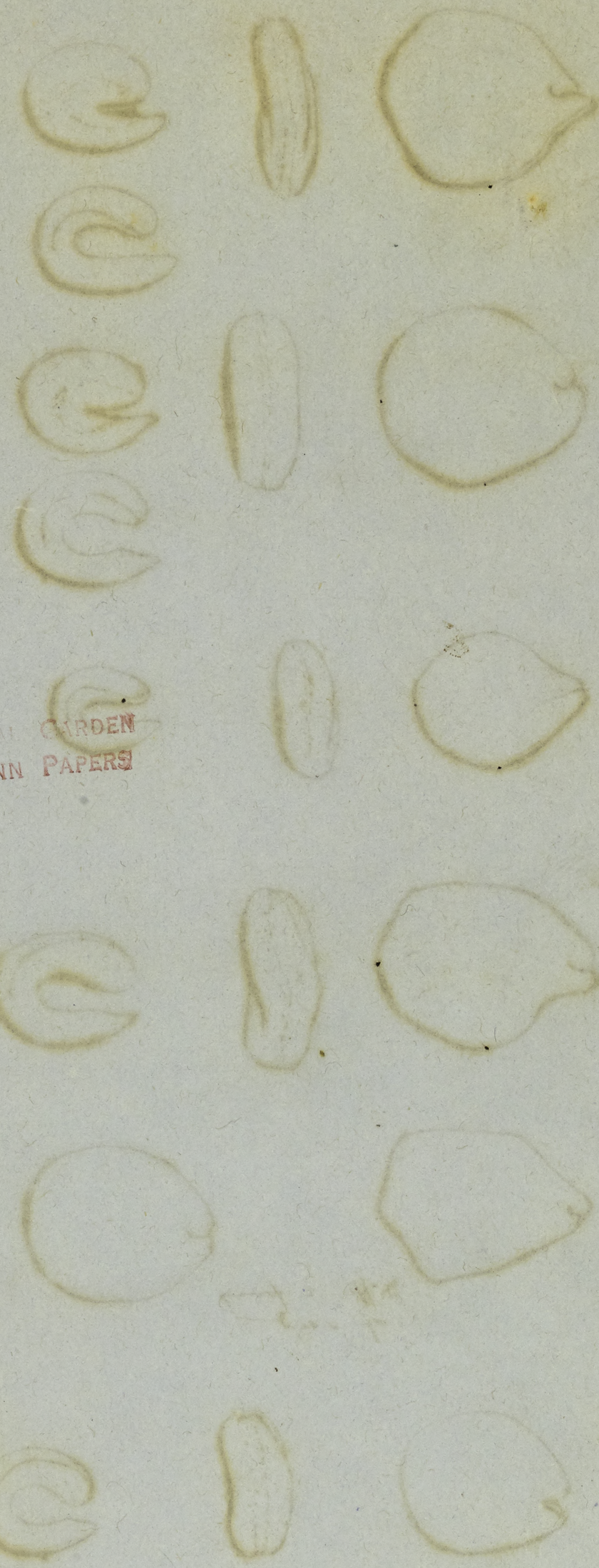

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15 Simpsons Expedition. 1860

Opuntia pulchella ~~nov. sp.~~ (Spec. nov.); parvula
diffusa, articulis obovato (clavatis) (parvis) plus minusve bacciformibus albidis
superne aculeos albidos, nitor, singulos ~~complures~~
longiores complanatos, ~~perfectos~~, ceteros brevissimos
radentes gerentibus; floribus purpureis, ovario
areolas 43-48 ~~densis~~ densis albo villoso et aculeis albis gerenti
dense ~~vestito~~, sepalis infimis lanceolatis — oblongis truncatis
rupinsculo rumento — ~~petalatis~~, petalis sub- & obovatis
oblanceolatis, stylo cylindrico, exerto stigmatibus 5 lanceolatis
sub exertis. —

Sandy deserts on walker River, Nev. — June.

— This is probably one of the smallest and at the
same time (one of the prettiest species of this genus. ~~Closely~~
belongs to the small section Clavatae (Syn. Cact. p. 46)
but distinct from all those known to me by its
small joints & purple flowers. O. clavata, O. Emoryi
& O. Grahamii have yellow flowers, O. Schottii & O. bulbispina
I have not seen — flowers — June, 1-1¼ Inch long
4 or 6 lines thick areolae crowded, white woolly,
longer spines on the upper areolae 4-6 lines long
flat above, ~~round~~ convex below; smaller ones radiating
4-6 or 10, ½ — 1½ lines long; flowers of a beautiful
bright purplish red, or deep rose red; 1¼ — 1½ inches in diam
ovary 4-5 lines long, beset with white bristly spines
15-25 on each areola, 3-5 lines long, ~~pale yellow~~; style not ~~bulbous~~ ventricose — the
lower half as in usual in the genus, but cylindric,
stigmas ~~5~~ 6 pale, pale yellow.

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1355-1401

Opuntiae Rotae no albumen ; only one sp. examined
in vertex
ovigatrae in cylindrica
Cones rather more persistent.

Op. Salmianae ?
subulata ?
cylindrica ?
Vaseliffeltii ?
clavarioides ?
vestita
floccosa

Pachyspermae
ovatae

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Dr A Weber Letter Dec 7 1883

Opuntiae ovoideae (Arm antho)

O. ovata
O. platyacantha } have the marginal seeds
of Platopuntia

O. dimidiata
O. corrugata } have semina corrugata

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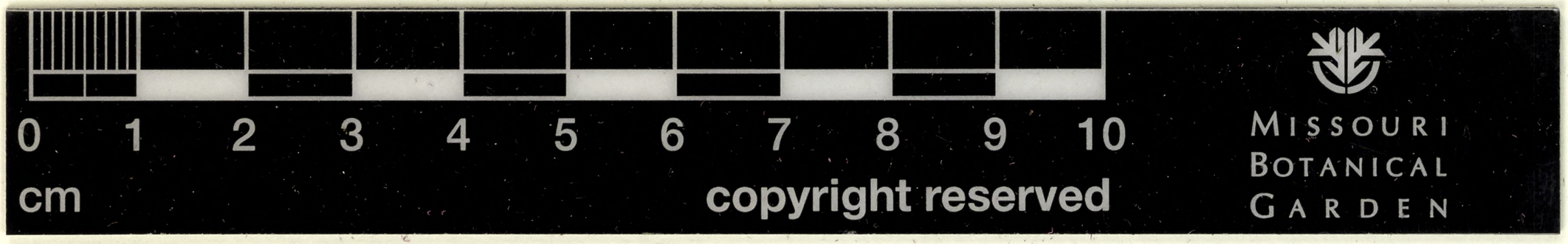
O. pulverulenta a South American cylindric
species with ovate thick joints
short flat tubercles and very small leaves.
Hort Kew Aug 1857



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Selmi Hort Dyck 1857 Jan.

how is the skeleton?

Pachyosperma

Opuntiae Clavatae, here as Platyacanthae and Glomeratae, are quite distinct from our Cylindricae and Clavatae, rather more like the Cetter, but joints less clavate, more ovate or even globose, branching at top and ~~bottom~~ base.

"O. pusilla" looks much like my O bulbispina, but smaller & with

O. clavarioides is similar to the clavatae, small & pretty

O. cylindrica & subulata also belong here! (1831) the name opuntiae therefore bad

2359

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Monsieur le Dr E. Cosson, Membre

[illegible]

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